

FIG.1

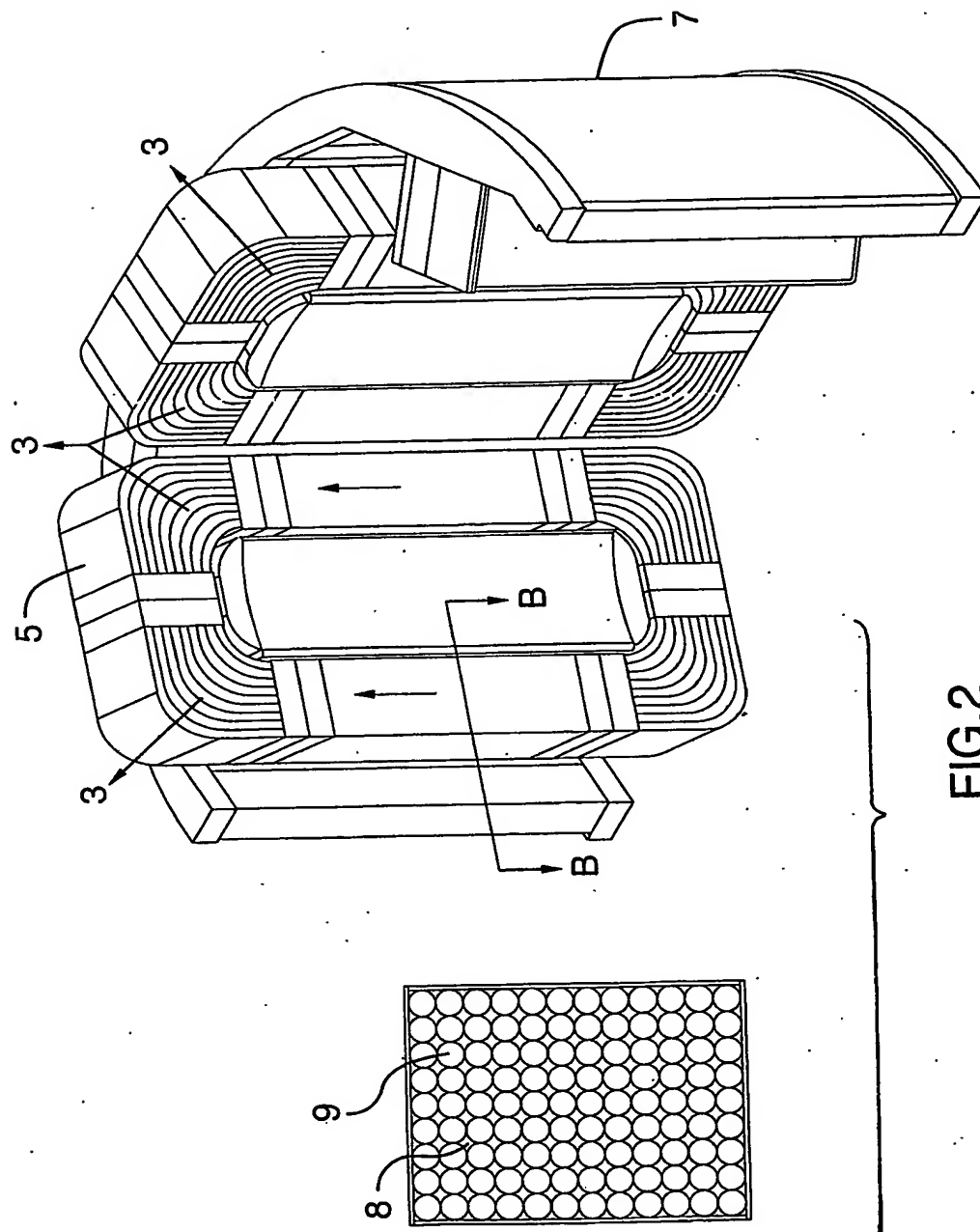


FIG. 2

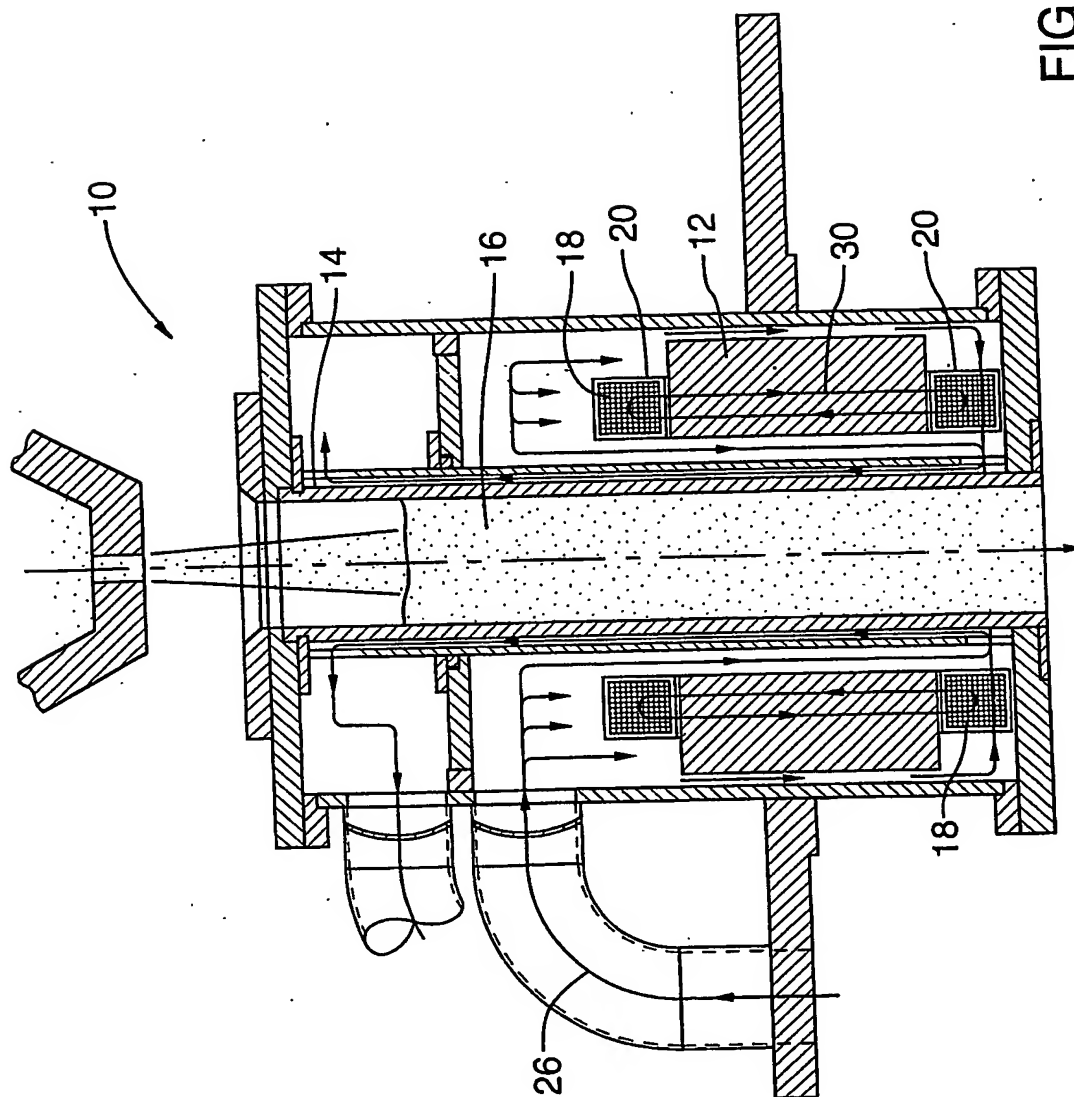
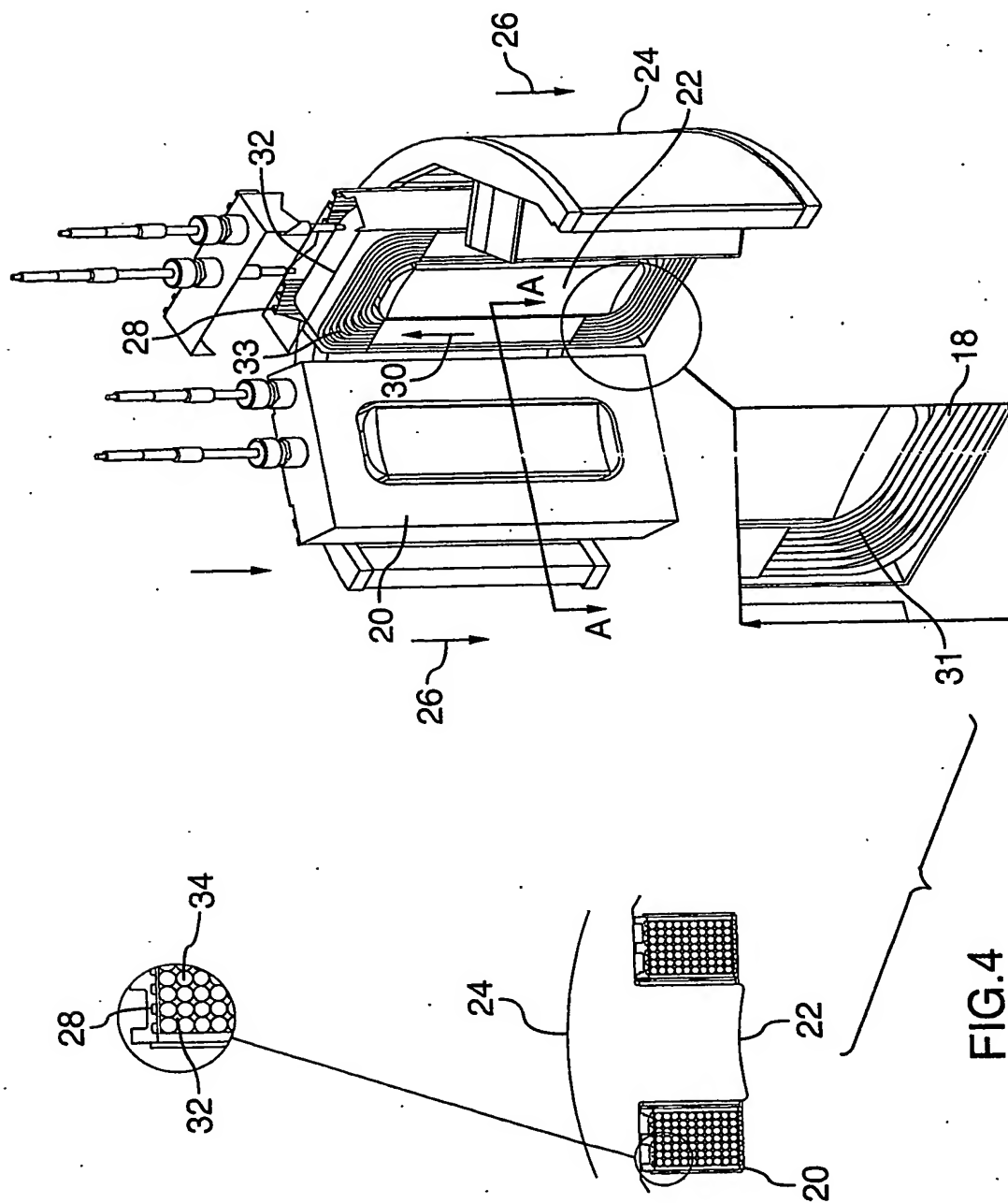


FIG.3



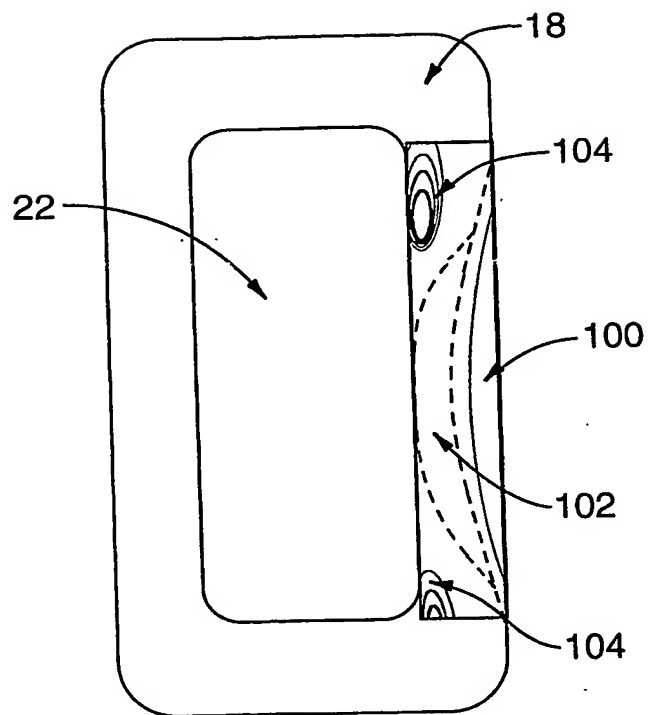


FIG.5

Figure 6

Relationship Between Magnetic and Gravitational Gradients of Pressure,  
and Total Pressure Gradient at Varying Current Inputs.

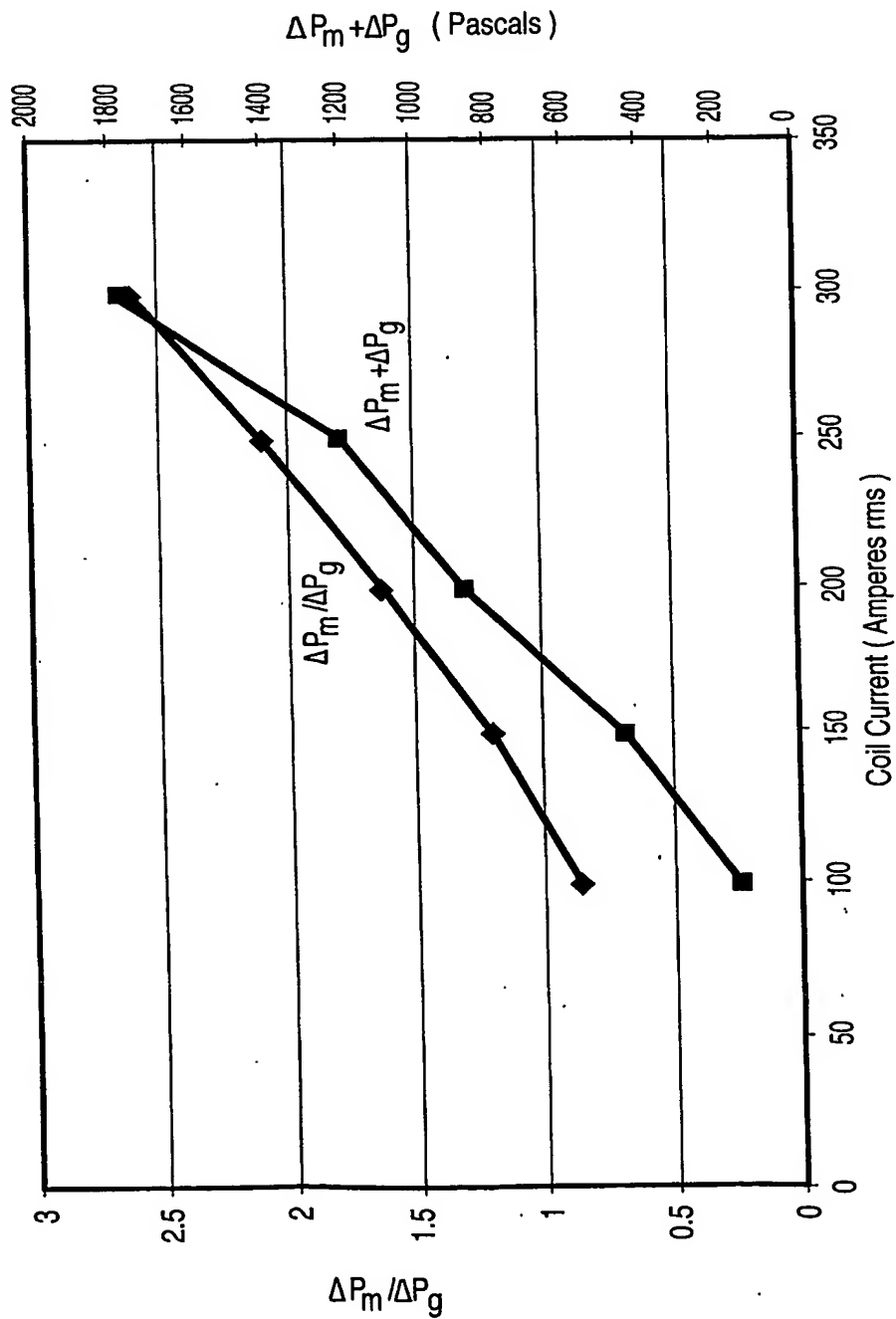
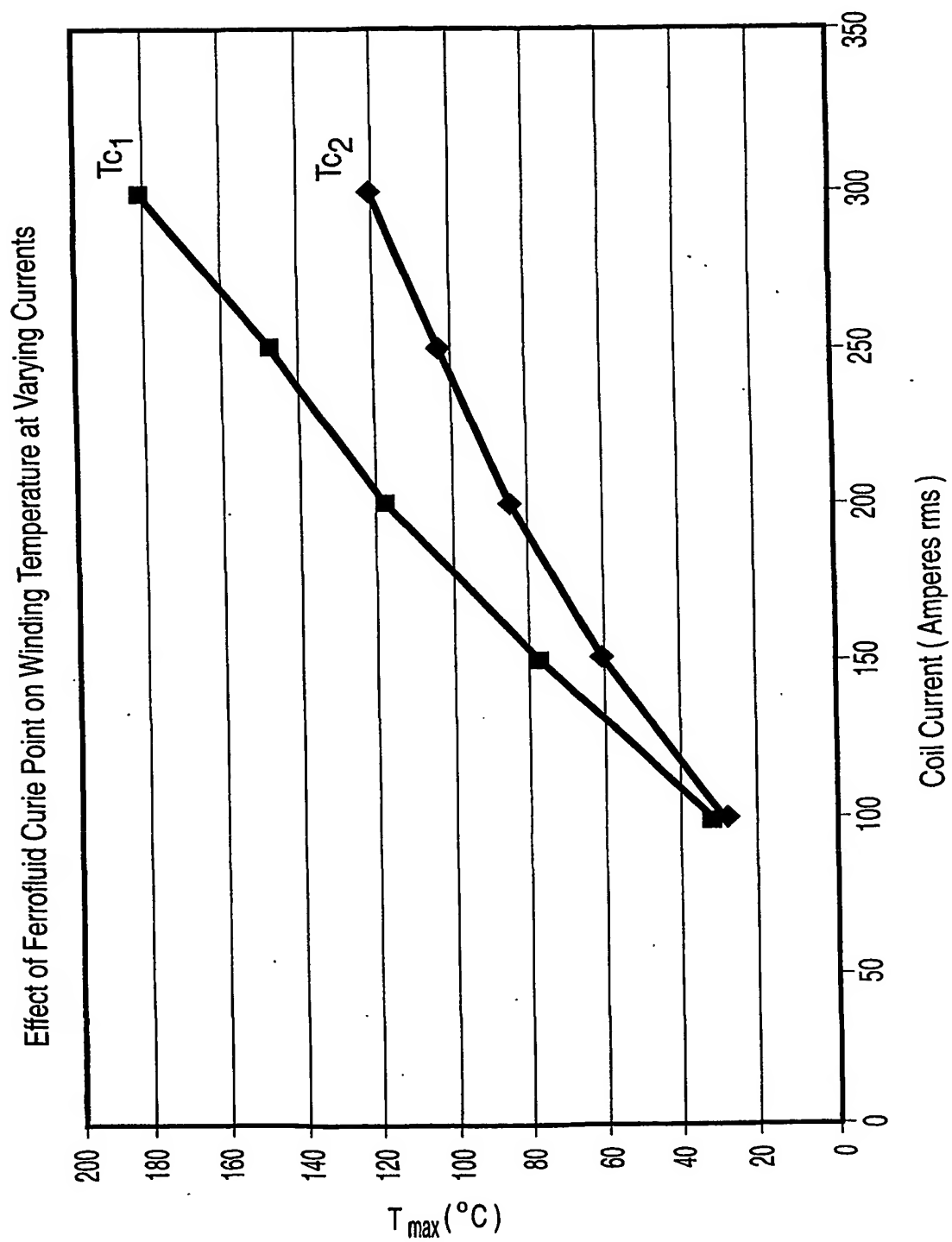


Figure 7



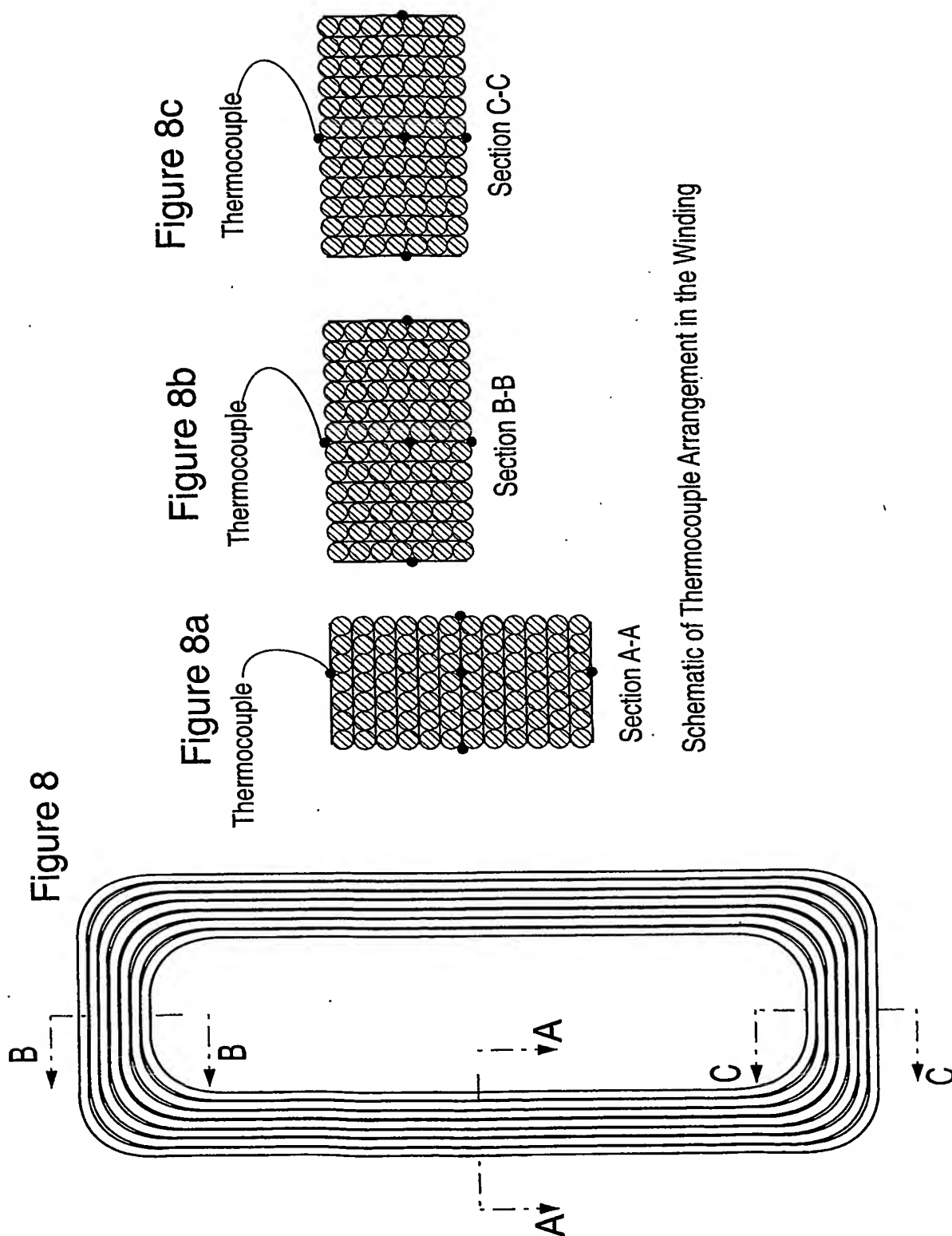
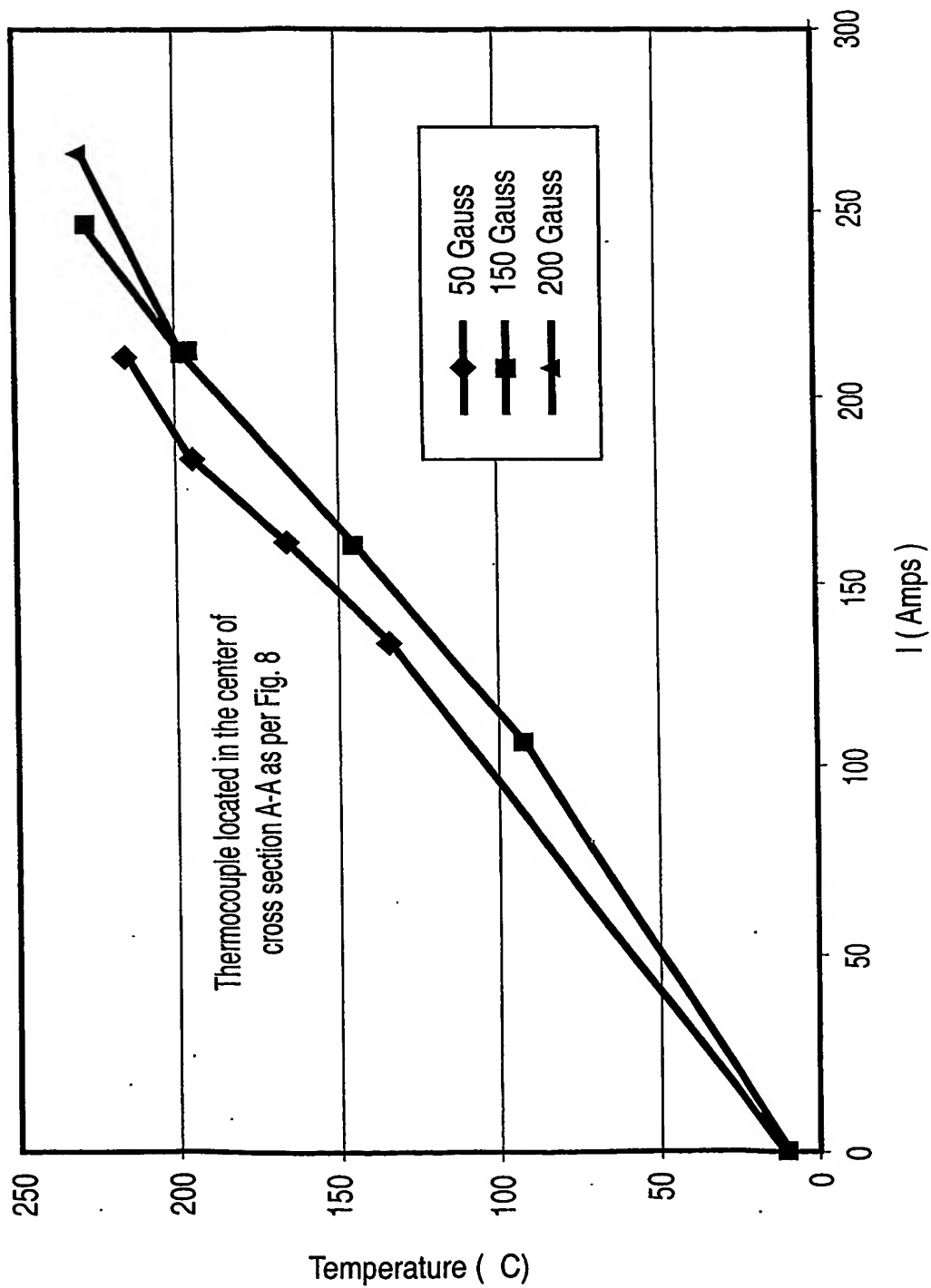




Figure 9

Effect of Ferrofluid Magnetization Saturation on Winding Temperature as per Embodiment No. 1



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Figure 10

Temperature Profiles in the Winding Under conditions of Embodiment No. 3

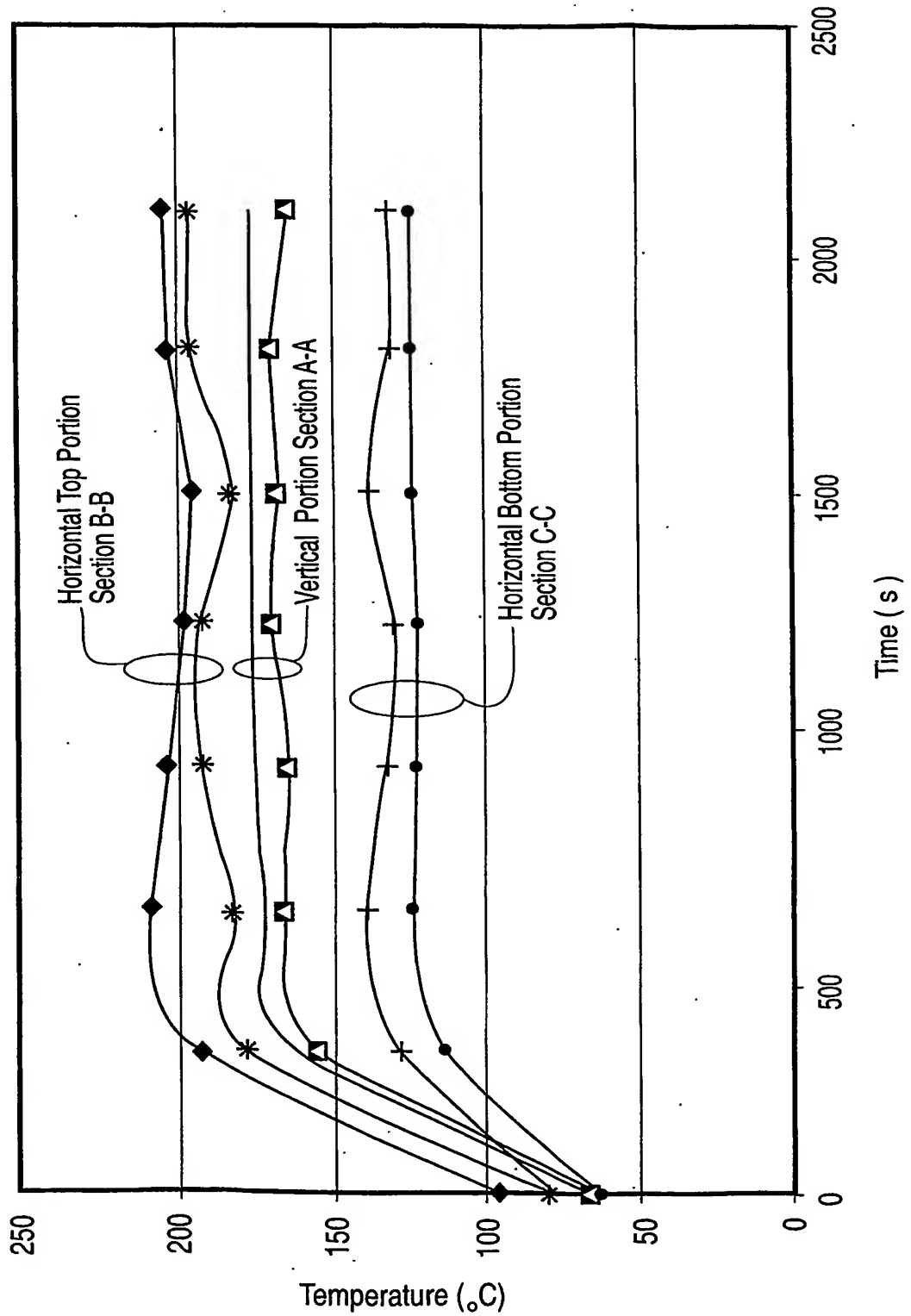


Figure 11

Relationship Between Maximum Temperature in the Winding ( Top portion Section C-C)  
and Current Under Conditions of Embodiment No. 3

